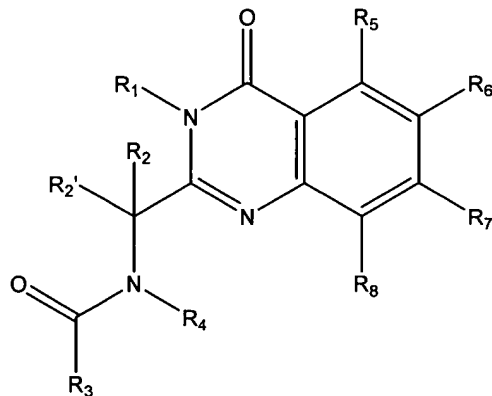


In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-17. (Cancelled)

18. (Previously Presented) A method of treating cancer comprising administering a therapeutically effective dose of a compound having the structure of:



wherein

R₁ is benzyl or halobenzyl;

R₂ is chosen from ethyl and propyl;

R₂' is hydrogen;

R₃ is substituted phenyl;

R₄ is (CH₂)_m OH or (CH₂)_p R₁₆ wherein m is 2 or 3 and p is 1-3;

R₅ is hydrogen;

R₆ is hydrogen;

R₇ is halo;

R₈ is hydrogen;

R₁₆ is chosen from amino, propylamino, and azetidiny;

or a pharmaceutically acceptable salt of any of the foregoing compounds,
wherein said therapeutically effective dose is an amount effective to inhibit KSP.

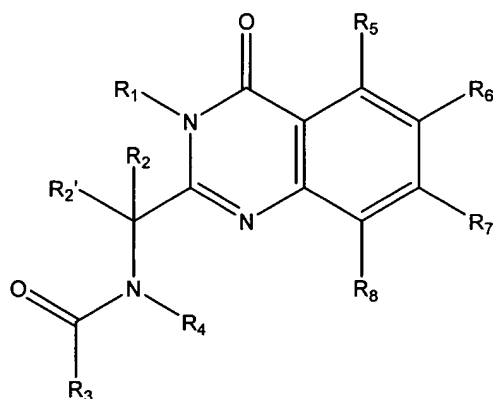
19. (Original) A method according to claim 18 wherein the stereogenic center to which R₂ and R₂' are attached is of the R configuration.

20-64. (Cancelled)

65. (Previously presented) The method of claim 18, wherein
R₁ is benzyl;
R₂ is isopropyl;
R₂' is hydrogen;
R₃ is p-tolyl;
R₄ is 3-aminopropyl;
R₅ is hydrogen;
R₆ is hydrogen;
R₇ is chloro; and
R₈ is hydrogen.

66. (Cancelled)

67. (Previously Presented) A method of treating cancer comprising
administering a therapeutically effective dose of a compound having the structure of:



wherein

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-(isopropylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is p-chlorobenzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-(dimethylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is m-methoxybenzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is isopropyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is azetidin-3-ylmethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-aminoethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-aminoethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(methylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-(methylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(methylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is azetidin-2-ylmethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is methylsulfinylmethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is piperidin-3-ylmethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is fluoro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-aminoethyl; R₅, R₆, R₇ and R₈ are hydrogen;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is piperidin-2-yl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 4-aminobutyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is m-chlorobenzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(piperidin-1-yl)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(imidazol-3-yl)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is pyrrolidin-3-ylmethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(diethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-chlorophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 4-aminobutyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is pyrrolidin-2-ylmethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-(azetidin-1-yl)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(pyrrolidin-1-yl)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-(pyrrolidin-1-yl)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-(dimethylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is propyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(pyrrolidin-1-yl)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-(pyrrolidin-1-yl)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is piperidin-4-ylmethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is methylsulfinylethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-(piperidin-1-yl)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is benzyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is (N-ethylpyrrolidin-2-yl)methyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-piperidinyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 4-piperidinyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is p-chlorobenzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2,2-dimethyl-3-(dimethylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 5-aminopentyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-(dimethylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is fluoro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-(2-methylpiperidin-1-yl)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is fluoro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(N-methylpyrrolidin-2-yl)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-trifluoromethylphenyl; R₄ is 3-(dimethylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-(diethylamino)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 3-(N-methylpiperazin-1-yl)propyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is 4-(CBZ)aminobutyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is aminoethoxyethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is 2-naphthyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro

R₁ is benzyl; R₂ is cyclohexylmethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(piperidin-1-yl)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-hydroxypropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-fluorophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 6-aminoethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₇, and R₈ are hydrogen; and R₆ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is fluoro;

R₁ is benzyl; R₂ is methyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-aminoethyl; R₅, R₆, R₇ and R₈ are hydrogen;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₇ are hydrogen; and R₈ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₆, R₇, and R₈ are hydrogen; and R₅ is chloro;

R₁ is benzyl; R₂ is aminobutyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 3-aminopropyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-tolyl; R₄ is 2-(dimethylamino)ethyl; R₅ and R₈ are hydrogen; and R₆ and R₇ are fluoro;

R₁ is m-tolyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro;

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-(dimethylamino)ethyl; R₅ and R₈ are hydrogen; and R₆ and R₇ are fluoro; or

R₁ is benzyl; R₂ is ethyl; R₂' is hydrogen; R₃ is p-bromophenyl; R₄ is 2-carboxyethyl; R₅, R₆, and R₈ are hydrogen; and R₇ is chloro,

or a pharmaceutically acceptable salt of any of the foregoing compounds,
wherein said therapeutically effective dose is an amount effective to inhibit KSP.

68-75. (Cancelled)

76. (Previously Presented) The method of claim 18, wherein R₃ is phenyl substituted with one or more halo, lower alkyl, lower alkoxy, nitro, carboxy, methylenedioxy, or trifluoromethyl.

77-81. (Cancelled)

82. (Previously Presented) The method of claim 18, wherein said salt is a mesylate.

83. (Cancelled)

84. (Previously Presented) A method according to claim 67 wherein the stereogenic center to which R₂ and R₂' are attached is of the R configuration.

85-91. (Cancelled)